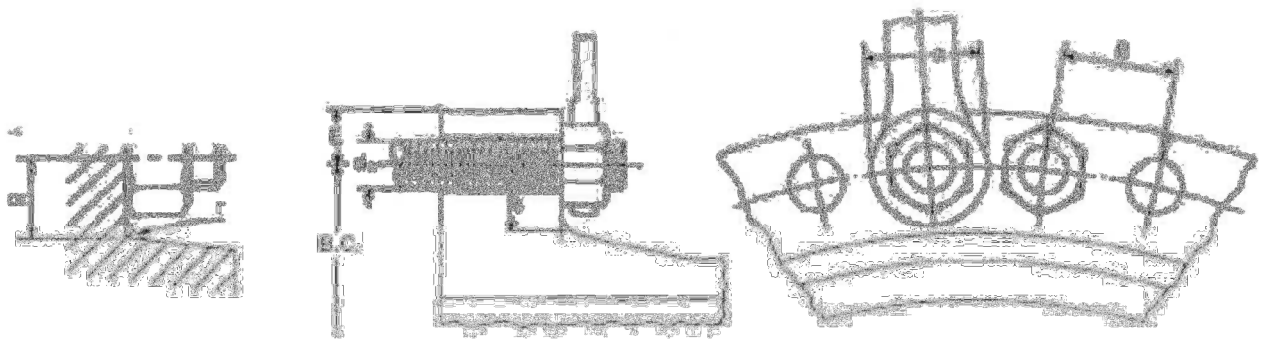


Metric bolt data based on TEMA 9th edition

Bolt Size	Root Area	Hub to bolt	Bolt to edge	Spacing	across flats
dB	Aroot mm ²	Rmin mm	Emin mm	Bmin mm	s mm
M12 x 1.75	72,398	20,64	15,88	31,75	21,00
M16 x 2	138,324	28,54	20,64	44,45	27,00
M20 x 2.5	217,051	31,75	23,81	52,39	34,00
M22 x 2.5	272,419	33,34	25,40	53,98	36,00
M24 x 3	312,748	36,51	28,58	58,74	41,00
M27 x 3	413,852	38,10	29,00	63,50	46,00
M30 x 3.5	502,965	46,04	33,34	73,03	50,00
M36 x 4	738,015	53,97	39,69	84,14	60,00
M42 x 4.5	1018,218	61,91	49,21	100,00	70,00
M48 x 5	1342,959	68,26	55,56	112,71	80,00
M56 x 5.5	1862,725	76,20	63,50	127,00	90,00
M64 x 6	2467,15	84,14	66,68	139,70	100,00
M72x6	3221,775	88,90	69,85	155,58	110,00
M80x6	4076,831	93,66	74,61	166,69	120,00
M90x6	5287,085	107,95	84,14	188,91	135,00
M100x6	6651,528	119,06	93,66	207,96	150,00

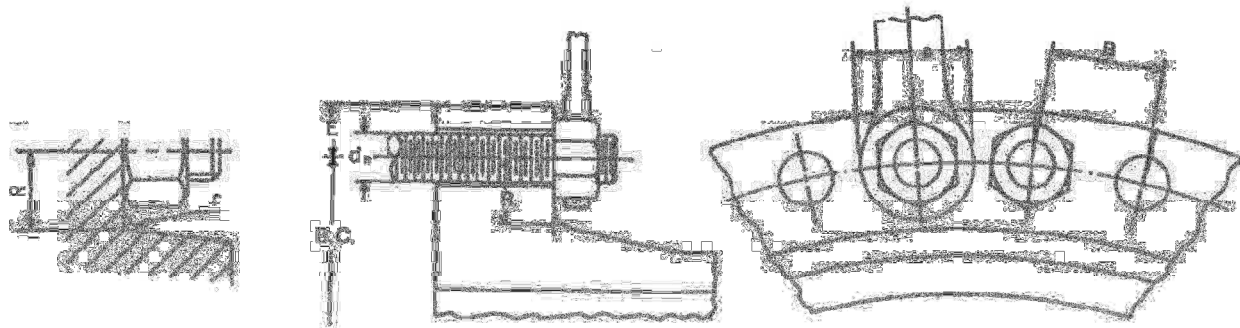
dB = nominale diameter
Aroot = kerndoorsnede
Bmin = minimale tussenafstand
s = sleutelwijdte



Imperial bolt data based on TEMA 9th edition

Bolt Size		Root Area	Hub to bolt	Bolt to edge	Spacing	across flats
dB		Aroot	Rmin	Emin	Bmin	s
		mm ²	mm	mm	mm	mm
1/2"	UNC	81,29	20,64	15,88	31,75	22,23
5/8"	UNC	130,32	23,81	19,05	38,10	28,58
3/4"	UNC	194,84	28,58	20,64	44,45	31,75
7/8"	UNC	270,32	31,75	23,81	52,39	36,51
1"	UNC	355,48	34,93	26,99	57,15	41,28
1 1/8"	8UN	469,68	38,10	28,58	63,50	46,04
1 1/4"	8UN	599,35	44,45	31,75	71,44	50,80
1 3/8"	8UN	745,16	47,63	34,93	77,79	55,56
1 1/2"	8UN	906,45	50,80	38,10	82,55	60,33
1 5/8"	8UN	1083,87	53,98	41,28	88,90	65,09
1 3/4"	8UN	1277,42	57,15	44,45	95,25	69,85
1 7/8"	8UN	1486,45	60,33	47,63	101,60	74,61
2"	8UN	1710,96	63,50	50,80	107,95	79,38
2 1/4"	8UN	2208,38	69,85	57,15	120,65	88,90
2 1/2"	8UN	2769,03	77,79	60,33	133,35	98,43
2 3/4"	8UN	3392,90	85,73	66,68	146,05	107,95
3"	8UN	4079,99	92,08	73,03	158,75	117,48
3 1/4"	8UN	4830,31	95,25	76,20	168,28	127,00
3 1/2"	8UN	5644,50	104,78	82,55	180,98	136,53
3 3/4"	8UN	6521,28	112,71	88,90	193,68	146,05
4"	8UN	7461,92	117,48	92,08	206,38	155,58

dB = nominale diameter
Aroot = kerndoorsnede
Bmin = minimale tussenafstand
s = sleutelwijdte



Nut dimensions are based on American National Standard B18.2.2 - (1972)

Threads are National Coarse series below 1 inch and eight-pitch thread series 1 inch and above.